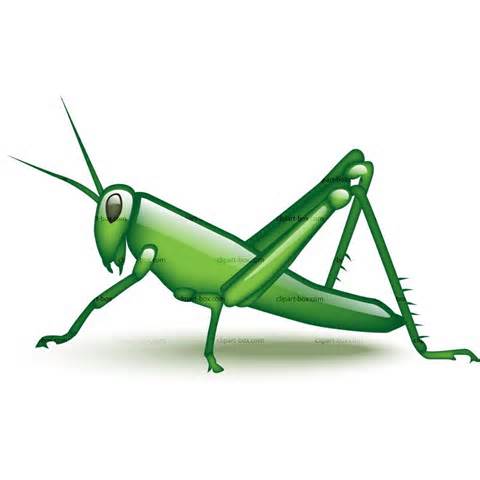
Science Olympiad

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**ANSWER KEY**

ENTOMOLOGY

January 24, 2015

**STATION #1** 1**-STINK BUG** 2-**HEMIPTERA** 3-**Pentatomidae**

Common name Order Family

**STATION #2** 4-**Assassin Bug** 5- **Hemiptera**

Common name Order

What does it eat? 6- **Other insects**

**STATION #3 7- Ladybug or Ladybird beetle** 8-**Coleoptera**  9- **Coccinellidae**

Common name Order Family

What impact? 10- **The eat harmful aphids and other garden pests**

**STATION #4** These are pictures of what body part? 11-**Antennae**

What taxonomical order do these animals both come from? 12-**LEPIDOPTERA**

[A] Is from a 13- **Butterfly**  [B] is from a 14- **Moth**

**STATION #5** Which immature insect goes with this adult? (Circle one) 15- **A**

16- **Dragonfly** 17- **Odonata**

Common name Order

**STATION #6** 18**- Katydid**  19- **Orthoptera** 20- **Tettigoniidae**

Common name Order Family

**STATION #7**  21**- OVIPOSITOR**  22- **HYMENOPTERA**

Body part Order

**TIE BREAKER: What family?­­­­­­­­­­­­­­­­­­ Ichneumon**

**STATION #8** 23- **Neuroptera** 24- **Lacewing (antlion)**

Order Common name

**STATION #9** 25-**Weevel** 26- **Coloptera**

Common name Order

**TIE BREAKER: Body part elongated snout, with the mouth at the and antenna at the end**

**STATION #10 [**A] 27- **Compound eye**  [B] 28- **Proboscis (tongue)**

**STATION #11** 29**- Walking stick** 30- **Phasmatodea** 31- **Phasmidae**

Common name Order Family

**STATION #12** 32**- Honey** **bee** 33- **Hymenoptera** 34- **Apis**

Common name Order Family

35- **1- They produce honey** 36- **2-They pollinate many other plants**

**STATION #13 ANATOMY. Print clearly.**

37 **A.HEAD** 43 **G. PRONOTUM**

38 **B. ANTENNAE** 44 **H. THORAX**

39 **C. COMPOUND EYE** 45 **I. TYMPANUM (ear) AUDITORY MEMBRANE**

40 **D. SIMPLE EYE(OR ocelli)** 46 **J. ABDOMEN**

41 **E. MANDIBLE (LABRUM)** 47 **K. SPIRACLES**

42 **F. MAXILLA (LABRUM)** 48 **L. WING**

**STATION #14** Which immature insect goes with this adult? (Circle one) 49- **B**

50- **Common blue damselfly** 51- **Odonata** 52- **Coenagrionidae**

Common name Order Family

**STATION #15** Reproduction 53- **Complete metamorphosis –** and or **- Holometablous**

54- **House fly** 55- **Diptera** 56- **Muscidae**

Common name Order Family

**STATION #16** Which insect (Circle one) 57- **B**

58- **Hymenoptera** 59- **Paper wasp**

Order Common name

**STATION #17** 60- **Cicada** 61- **Homoptera** 62 **-Cicadidae**

Common name Order Family

**STATION #18** 63- **Swallowtail** 64- **Lepidoptera** 65- **Papilionidae**

Common name Order Family

**STATION #19** 66- **Crane fly**  67- **Diptera** 68- **Tipulidae**

Common name Order Family

**STATION #20** 69- **Praying mantis**  70- **Mantodea** 71- **Mantidea**

Common name Order Family

**STATION #21** 72- **Field cricket** 73- **Orthoptera** 74- **Gryllidae**

Common name Order Family

**STATION #22 Environmental Issue** 75-  **They carry disease**

76- **American Cockroach** 77- **Blattodea** 78- **Blattoidea**

Common name Order Family